



LIGHTING

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Techni-Lux lights up Calvary Orlando

USA: After deciding to renovate its worship environment due to an outdated production design, Calvary Orlando turned to Techni-Lux, who designed a new house system, which included Chalice LED downlights from Altman Lighting.

‘Calvary Orlando is the second largest church in the Orlando area, and it is also used as a special event and live concert facility,’ began Tony Hansen, head lighting designer and project specialist of Techni-Lux. ‘We have worked with them for a number of years, and this is a project that has really been in need for some time. The lighting system dated back to its original construction and it was very antiquated. Additionally, they were having consistent issues with the dimming system and it was becoming difficult to maintain.’

Lighting fixtures were not part of the original plan; however, after seeing Chalice’s performance and ease of installation, it became a design possibility. ‘Prior to the lighting renovation, we had only been discussing putting in a new dimming system but, as funding for the lights started to come into place, the Altman Chalice was also coming onto the market,’ continued Hansen. ‘The church started testing products with multiple demos, and what we found was that the Chalice could easily drop in place without a lot of modification. This made them an ideal solution because there were over 450 house fixtures that needed to be replaced with many as high as 65-feet off the ground that could only be accessed from above.’

The Chalice LED series includes several mounting options such as pendant, recessed, aircraft cable, wall and yoke mounts as well as dimming choices from mains dimming to DMX. 'The Chalice luminaires fit perfectly into place for a one-to-one fixture replacement and we were even able to use the existing trim fitting as well,' added Hansen. 'It was great to be able to use a 150W LED solution to replace an outdated 1,000W incandescent fixture, and they fit the bill perfectly. It was also very beneficial to have the option to go through all the reflector choices for custom reflector mapping throughout the entire design. The coverage that we got off the initial run of the new system far surpassed what we had expected, and it made quite a difference.'

Techni-Lux executed a design that included a theatrical lighting console and architectural wall stations. The outdated dimming system was also removed, and the Chalice luminaires were wired for public safety modes. 'In addition to the lighting renovation, the entire control system was upgraded as well so they now have individual DMX control of the house lights for matrixing, movement and light isolation all controlled through a theatrical console and wall stations,' commented Hansen. 'The lights also needed to be part of the emergency backup and public safety evacuation system so we installed a DMX data override system that would take over speaking Art-Net to the house lights to go into panic mode if needed. All of the breakout points and data distribution are then driven on backup power with operational wall stations in the event of a power failure.'

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